WHY MINOR IN APPLIED MATHEMATICS?
Many students take mathematics classes not realizing that these classes may lead to a minor in Applied Mathematics. Applied mathematics is an inherently interdisciplinary topic as all professional disciplines encounter mathematics in different forms. The Applied Mathematics minor is designed to train students to utilize mathematical skills correctly and to apply these skills in their discipline in order to solve problems in the real world. As applied mathematics is a branch of mathematics that deals with mathematical methods that find use in science, engineering, business, computer science, and industry, completing a minor in Applied Mathematics will help differentiate you from others with the same degree when competing for positions in private industry or graduate school and is intended to enhance your degree.

WHAT WILL I LEARN WITH A MINOR IN APPLIED MATHEMATICS?
• Use mathematical software for numerical computation.
• Solve real-world mathematical problems analytically, numerically and geometrically.
• Mathematically model continuous phenomenon in nature.
• Professionally communicate, represent and publish your mathematical results.

WHAT CLASSES ARE REQUIRED?
Pre-requisites are listed in [ square brackets ].
1. MATH 3000 Software of Mathematics [ MATH 2202 & CS 1301* ]
2. MATH 3260 Linear Algebra I [ MATH 1190 ]
3. MATH 3261 Numerical Methods I [ MATH 3260 & CS 1301* ]
4. MATH 3310 2306 Ordinary Differential Equations [ MATH 2202 ]
5. MATH 2203 Calculus III [ MATH 2202 ] or contact Dr. Croicu for an appropriate alternative.

WHAT ARE THE PREREQUISITES?
- MATH 1112 College Trigonometry or MATH 1113 Precalculus [ recommended placement from MAPT ] [ see http://placement.kennesaw.edu ]
- MATH 1190 Calculus I [ MATH 1112/1113 or recommended placement from MAPT ]
- MATH 2202 Calculus II [ MATH 1190 ]
- *CS 1301 Programming Principles I [ where CS 1301 is required, there may be additional CS/CSE options ] [ see catalog ]

WHAT ELSE SHOULD I KNOW?
• If you decide to pursue the Applied Mathematics minor, you will need to fill out the ‘Minor Declaration’ form, available within the College of Science & Mathematics Advising Center, in the Mathematics department, or online at http://math.kennesaw.edu/resources/forms.
• See http://math.kennesaw.edu/resources/advising/forecast for a tentative two-year course forecast, crosswalk, and prereqs.
• Per KSU policies regarding minors, please be aware of the following:
  1. The Applied Mathematics minor is officially 15 hours of MATH courses; however, 9 of these hours in the Applied Mathematics minor requirements cannot be duplicated within classes that are already included as part of your major degree requirements.
  2. Students must earn a grade of at least a ‘C’ or higher for prereqs and for coursework within the minor.
  3. At least 9 hours of any minor must be at the 3000 level or higher, with at least 6 of these hours earned in-residence at KSU.
  4. Returning to college after you have earned a baccalaureate degree to add or complete a minor is not permitted.
• Use http://catalog.kennesaw.edu for official details, course descriptions, and prerequisites.
• As part of your Petition to Graduate, you may need the ‘Minor Approval’ form, available with the Office of the Registrar, within the College of Science & Mathematics Advising Center, or with the Applied Mathematics Program Director (see below).

WHO CAN I TALK TO?
For additional questions, please contact the Applied Mathematics Minor Program Coordinator: Dr. Ana-Maria Croicu. She is located at the Kennesaw campus in 531 Science building; her office phone is 470-578-2076, and her email is acroicu@kennesaw.edu.